

TRIDIB ROY CHOWDHURY

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EDUCATION

Academy of Technology

Bachelor of Technology in Computer Science and Engineering

SGPA: 7.8

West Bengal India

2023-Present

FRONTEND

Frontend: HTML, CSS, Tailwind, JavaScript, TypeScript, React, Next.js

Backend: Express.js, Java, Flask, FastAPI, REST APIs, MongoDB, PostgreSQL

Machine Learning & Data Science: Python, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, MLflow, BentoML

Tools & Platforms: Git, GitHub, Vercel, Docker, VS Code

PROJECTS

KickIts – Full-stack Sports Event Platform

- Built a platform for users to **create, join, and manage local sports events**.
- Features include **real-time chat, notifications, performance analytics, and reviews**.
- Tech Stack: HTML, CSS, Express, MongoDB, TailwindCSS.

<https://github.com/Tridib2510/KickIts>

Network Security System

- Developed an end-to-end network security monitoring system with **threat detection and reporting**.
- Implemented practical security measures to safeguard networks.
- Tech Stack: Python, FastAPI, Scikit-learn.

<https://github.com/Tridib2510/networksecurity>

AI Therapist

- Built an AI chatbot for **mental health assistance**, capable of understanding and responding to user queries.
- Integrated machine learning models for personalized recommendations.
- Tech Stack: Python, NLP, libraries, Flask.

<https://github.com/Tridib2510/AI-based-Therapist>

Forest Fire Prediction

- Developed a predictive model for **forest fire risks using environmental data**.
- Applied data preprocessing, visualization, and ML algorithms for accurate prediction.
- Tech Stack: Python, Pandas, Scikit-learn, Matplotlib, Seaborn

<https://github.com/Tridib2510/forest-fires>

CERTIFICATIONS

Java : <https://www.hackerrank.com/certificates/464dceb0634c>

Problem Solving : <https://www.hackerrank.com/certificates/2ee24da5c887>

Python: <https://www.hackerrank.com/certificates/61117035156d>

CAMPUS & COMMUNITY INVOLVEMENT

Member of Student Chapter CSE in Academy of Technology

August 2024 – Present